

Quick connect coupling Mold Cupla K03PF, R 3/8, brass - Nitto Kohki 461032341

Item no. NKH-461032341

Manufacturer Nitto Kohki

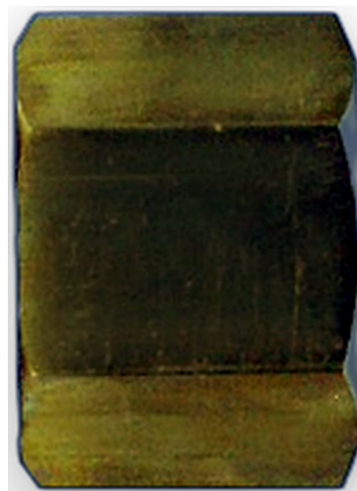
The plug is the valveless half of Mold Cupla and stays in the mould or on the hose when the pair is separated. It is short, with an installed length from 28 mm, and comes as a hose barb, with male thread, with female thread and in an L-shaped version. Protrusion above the mould plate must stay within 3 mm, otherwise the socket cannot be fitted. Model K03PF, Port size R 3/8, brass.

TECHNICAL DATA

Betriebsdruck max [bar] 10.000000

Material Brass

Weight 0.05 kg



DESCRIPTION

Reworking mould cooling circuits costs time whenever every port has to be screwed and unscrewed. Mold Cupla connects the cooling water line by pushing it home and works at 1.0 MPa working pressure with 1.5 MPa pressure resistance.

- Working pressure of 1.0 MPa with 1.5 MPa pressure resistance, sized for cooling water circuits on dies and moulds.
- One-way shut-off valve in the socket keeps the fluid in the line on disconnection, while the coupled pair passes fluid in either direction.
- NBR seal as standard for -20 °C to +80 °C, FKM available on request for -20 °C to +180 °C, for example for heated oil.
- Brass body stands up to permanent contact with cooling water.
- Compact shape suits moulds with closely spaced coolant ports, and the long sleeve socket still reaches plugs embedded in the mould.
- Defined maximum tightening torque per size: 5 Nm at 1/8 inch, 9 Nm at 1/4 inch and 11 Nm at 3/8 inch.

TECHNICAL DATA

Model
Coupling part

K03PF
plug

Port size	R 3/8
Body material	brass
Working pressure	1.0 MPa (10 bar)
Valve structure	One-way shut-off
Article number	461032341

APPLICATIONS

- Coolant ports on injection moulding and die casting tools
- Die and mould changes without unscrewing the cooling circuit
- Connecting coolant hoses between temperature control unit and mould
- Heated oil circuits with the FKM seal up to +180 °C
- Embedded ports in mould plates with a protrusion C of 0 to 3 mm and clearance D from 20 mm

COMPATIBILITY

Sockets and plugs connect regardless of end configuration and size, and the series also mates with Super Cupla, with the exception of the K3 and K4 types. The series is not suitable for vacuum service, neither in the connected nor in the disconnected condition.

STANDARDS AND COMPLIANCE

Clearance D at an embedded position follows the outer diameter of the socket wrench in use according to JIS B 4636-1 and JIS B 4636-2.